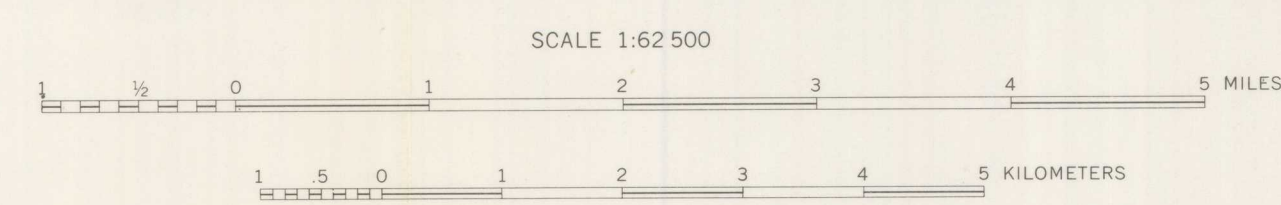


Base compiled from aerial photographs
by photogrammetric methods

APPROXIMATE MEAN
OCCUPATION, 1965

GEOLOGIC MAP OF THE KAYENTA AND CHILCHINBITO QUADRANGLES, NAVAJO COUNTY, ARIZONA



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—G65053
Geology by E. C. Beaumont and G. H. Dixon,
assisted by J. F. Fallis and J. H. Beard, 1955-57

EXPLANATION

- Qal Alluvium
- Qd Dune sand
- Qpg Pediment gravel
- UNCONFORMITY
- Intrusive plugs and dikes
- Meaverde Group
 - Ky, Yale Point Sandstone
 - Kw, Wepo Formation
 - Kt, Toreva Formation
- Km Mancos Shale
- Kd Dakota Sandstone
- UNCONFORMITY
- Jmw Morrison Formation
- Jmrs, Westwater Canyon Member
- Jmrs, Recapture and Salt Wash Members
- Jcs Cow Springs Sandstone
- In western part of area only
- Jse Summerville Formation and Entrada Sandstone
- Js, Summerville Formation
- Je, Entrada Sandstone
- Jc Carmel Formation
- UNCONFORMITY(?)
- Jkn Navajo Sandstone
- Jk Kayenta Formation
- UNCONFORMITY(?)
- Wgl Lukachukai Member
- Wwr Rock Point Member
- One outcrop south of Laguna Creek
- Wcc Church Rock Member
- Wco Owl Rock Member
- Wcp Petrified Forest Member

- Contact
- Dashed where approximately located; short dashed where gradational
- Anticline
- Showing crestline and trend and plunge of axis.
- Dashed where approximately located
- Syncline
- Showing troughline and trend and plunge of axis.
- Dashed where approximately located
- Strike and dip of beds
- Structure contours
- Drawn on top of Navajo Sandstone. Dashed where approximately located; short dashed where datum is above land surface. Contour interval 100 feet; datum is mean sea level
- Location of measured coal section
- Location of measured stratigraphic section
- Diversion dam